

01 Specs 01Titel	Swivel S /DMX/02	27.03.2019 MH VS.01	Project No.
Item / No.	Description/ Quantity/ Unit	Unit price	Total price
01.1 Position	<p>Description: DMX-RDM*-capable drive with a swiveling X-axis.</p> <p>Suitable for wet assembly.</p> <p>Environmental conditions for wet application (waterquality): Installation and operation in fresh-and poolwater.**</p> <p>Necessary depth for parking position (completely submerged): 390 mm</p> <p>Technical data :</p> <p>Dimensions (LxWxH): 577 x 432 x 386 [mm] Nominal voltage: 24 V DC Power consumption: 22 W Nominal current: 0,9 A Max. Operation pressure: 1.3 bar Protection class: IP 68 Weight: 22 DMX-RDM compatible: Yes Number of DMX channels: 4 Configuration/Parameterization in build-in status: Yes Firmware updatable: Yes Overheating protection: Yes Reverse polarity protection: Yes/mechanical</p> <p>Angular range :</p> <p>X-axis: max. 90° (+-45°)</p> <p>Pivoting speed:</p> <p>X- axis: max. 72°/s</p> <p>Base framework incl. stand and water inlet :</p> <p>Material frame: Stainless steel DIN 1.4301 (AISI 304) Transport handles: 1 Bearing for X -axis: Ceramics Water inlet (Quick connect) DN 50 Height adjustable feet: 4</p> <p>X-axis swivel frame:</p> <p>Material frame: Stainless steel DIN 1.4301 (AISI 304) Material radial mechanical seal: Stainless Steel/Ceramics FKM Nozzle connection (Inner thread): G 1 1/2</p> <p>Stepper motor/ belt drive:</p> <p>Drive technology: stepper motor with incremental encoder and position sensor Material of motor housing: Stainless steel DIN DIN 1.4301 (AISI 304) Gasket: O-ring/ rubber Radial mechanical seal: Stainless Steel/NBR Belt: Stainless Steel reinforced Elastomere Belt cover: Stainless steel DIN 1.4301 (AISI 304) Belt tensioner: integrated Humidity indication: optical and electronical</p> <p>Cable and connection-boxes:</p> <p>All signals with galvanic separation in connection boxes. Housing material: PET-GF</p> <p>Quick release connection DMX and power: yes</p>		

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	<p>DMX- cabling: 1 m DMX cable and DMX connection box Cable (AES/EBU Cable Binary 234): 4 x 0.34 mm² DMX plug 1 x In (special version): 1 x Out Integrated water barrier: yes Pin allocation: Pin 1: shield Pin 2: minus Pin 3: plus Pin 4: n.c. Pin 5: n.c.</p> <p>Power-cabling: 1 m 24V cable and power connection box Cable (H07RN-F): 2 x 1,5 mm² 24 V Power Plug socket 2 x special version (input and output): Integrated water barrier: yes</p> <p>*DMX RDM [Remote Device Managment] is a bidirectional bus for querying and programing of DMX-devices. A RDM control unit is capable of identifying connected devices and to -partial automatically- configure them. DMX RDM devices can be operated simultaneously with simple DMX devices at the same time. **</p>		
water-quality-matrix			
	Freshwater	Poolwater	Seawater
PH.Value	7.2 -7.6	7.2 -7.6	8
Hardness	8 -15 ° DH; 142 -267 ppm CaCo3	8 -15 ° DH; 142 -267 ppm CaCo3	20 -30 ° DH; 356 - 534 ppm CaCo3
Free Chlorine	< 0.3 mg/l; < 0.3 ppm	0.3 -0.6 mg/l; 0.3 - 0.6 ppm	< 0.3 mg/l; < 0.3 ppm
Chlorine concentration	< 250 mg/l; < 250 ppm	< 200 mg/l; < 200 ppm	<=22000 mg/l; <=22000 ppm
Salinity	n. d.	n. d.	<= 4%; <= 4%
Total Dry Residue	< 50 mg/l; < 50 ppm	< 50 mg/l; < 50 ppm	< 50mg/l; < 50 ppm
Temperature	4 -35° C; 39 - 95 ° F	4 -30° C; 39 - 86 ° F	4 - 20 ° C; 39 - 68 ° F
Supply and delivery according to manufacturer specifications.			
Product / proof of delivery:			
Swivel S /DMX/02 Art. 72888			
OASE GmbH Tecklenburger Str. 161 48477 Hörstel / Germany Phone: +49 5454 800			
(or equivalent)			
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Entered by the bidder			